

## ABSTRACT

A communication system including a base station and a communication terminal transmitting/receiving data to/from this base station, in which the base station transmits downlink packet data to the communication terminal and receives an information signal related to the downlink packet data from the communication terminal that has received the downlink packet data, and the communication terminal includes an overflow estimation mechanism estimating a simultaneous transmission of uplink data and the information signal to the base station and a transmission signal control controlling transmission of the information signal in response to the result of estimation of this overflow estimation mechanism. The communication system is capable of selectively improving communication quality of either uplink communication or downlink communication by avoiding an overflow caused in a power amplification part of the communication terminal.